1600

#26

RAW SEQUENCE LISTING                    DATE: 02/13/2003
PATENT APPLICATION: **US/09/646,532B**       TIME: 13:56:42

Input Set : **A:\Sequence Listing.txt**
Output Set: **N:\CRF4\02132003\I646532B.raw**

```
 3 <110> APPLICANT: The Victoria University of Manchester
 4       Emes, Michael, James
 5       Tetlow, Ian, Joseph
 6       Bowsher, Caroline, Grace
 8 <120> TITLE OF INVENTION: TRANSPORTER PROTEIN
10 <130> FILE REFERENCE: DO88125PWO
12 <140> CURRENT APPLICATION NUMBER: US 09/646,532B
```

C--> **13 <141> CURRENT FILING DATE: 2000-10-03**

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15 <160> NUMBER OF SEQ ID NOS: 7
17 <170> SOFTWARE: PatentIn Ver. 2.0
19 <210> SEQ ID NO: 1
20 <211> LENGTH: 10
21 <212> TYPE: PRT
22 <213> ORGANISM: Wheat
24 <400> SEQUENCE: 1
25 Ser Met Pro Leu Asn Ala Ala Val Lys Met
26   1               5                  10
29 <210> SEQ ID NO: 2
30 <211> LENGTH: 14
31 <212> TYPE: PRT
32 <213> ORGANISM: Wheat
34 <220> FEATURE:
35 <223> OTHER INFORMATION: Description of Artificial Sequence:Unknown
37 <220> FEATURE:
38 <221> NAME/KEY: Unsure
39 <222> LOCATION: (3)..(5)
40 <223> OTHER INFORMATION: Xaa can be any amino acid
42 <220> FEATURE:
43 <221> NAME/KEY: Unsure
44 <222> LOCATION: (13)
45 <223> OTHER INFORMATION: Xaa can be any amino acid
47 <400> SEQUENCE: 2
```

W--> **48 Gly Ala Xaa Xaa Xaa Glu Thr Ala Trp Ala Cys Gly Xaa Ala**

```
49   1               5                  10
51 <210> SEQ ID NO: 3
52 <211> LENGTH: 9
53 <212> TYPE: PRT
54 <213> ORGANISM: Wheat
56 <220> FEATURE:
57 <221> NAME/KEY: Unsure
58 <222> LOCATION: (9)
59 <223> OTHER INFORMATION: Xaa can be any amino acid
61 <400> SEQUENCE: 3
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**ENTERED**

RAW SEQUENCE LISTING           DATE: 02/13/2003
PATENT APPLICATION: **US/09/646,532B**    TIME: 13:56:42

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```
W--> 62 Asn Phe Arg Tyr Thr Asn Phe Ala Xaa
     63    1               5
     65 <210> SEQ ID NO: 4
     66 <211> LENGTH: 12
     67 <212> TYPE: PRT
     68 <213> ORGANISM: Wheat
     70 <220> FEATURE:
     71 <221> NAME/KEY: Unsure
     72 <222> LOCATION: (4)
     73 <223> OTHER INFORMATION: Xaa can be any amino acid
     75 <220> FEATURE:
     76 <221> NAME/KEY: Unsure
     77 <222> LOCATION: (7)
     78 <223> OTHER INFORMATION: Xaa can be any amino acid
     80 <400> SEQUENCE: 4
W--> 81 Gly Ala Thr Xaa Gly Asn Xaa Ala His Ala Met Gly
     82    1               5                   10
     84 <210> SEQ ID NO: 5
     85 <211> LENGTH: 15
     86 <212> TYPE: PRT
     87 <213> ORGANISM: Wheat
     89 <220> FEATURE:
     90 <221> NAME/KEY: Unsure
     91 <222> LOCATION: (7), (8)
     92 <223> OTHER INFORMATION: Xaa can be any amino acid
     94 <220> FEATURE:
     95 <221> NAME/KEY: Unsure
     96 <222> LOCATION: (10)..(12)
     97 <223> OTHER INFORMATION: Xaa can be any amino acid
     99 <400> SEQUENCE: 5
W--> 100 Ser Val Leu Trp Thr Glu Xaa Xaa Asp Xaa Xaa Xaa Gly Phe Arg
     101    1               5                   10                  15
     104 <210> SEQ ID NO: 6
     105 <211> LENGTH: 8
     106 <212> TYPE: PRT
     107 <213> ORGANISM: Wheat
     109 <220> FEATURE:
     110 <221> NAME/KEY: Unsure
     111 <222> LOCATION: (2)
     112 <223> OTHER INFORMATION: Xaa can be any amino acid
     114 <220> FEATURE:
     115 <221> NAME/KEY: Unsure
     116 <222> LOCATION: (6)
     117 <223> OTHER INFORMATION: Xaa can be any amino acid
     119 <400> SEQUENCE: 6
W--> 120 Val Xaa Leu Ala Pro Xaa Asn Pro
     121    1               5
     123 <210> SEQ ID NO: 7
     124 <211> LENGTH: 10
```

RAW SEQUENCE LISTING                          DATE: 02/13/2003
PATENT APPLICATION:  US/09/646,532B           TIME: 13:56:42

Input Set : A:\Sequence Listing.txt
Output Set: N:\CRF4\02132003\I646532B.raw

```
125 <212> TYPE: PRT
126 <213> ORGANISM: Wheat
128 <220> FEATURE:
129 <221> NAME/KEY: Unsure
130 <222> LOCATION: (4)
131 <223> OTHER INFORMATION: Xaa can be any amino acid
133 <220> FEATURE:
134 <221> NAME/KEY: Unsure
135 <222> LOCATION: (9)
136 <223> OTHER INFORMATION: Xaa can be any amino acid
138 <400> SEQUENCE: 7
```
W--> 139 Pro Tyr Asn Xaa Ala Tyr Gln Asp Xaa Gly
```
    140    1               5                   10
```

RAW SEQUENCE LISTING ERROR SUMMARY     DATE: 02/13/2003
PATENT APPLICATION:  US/09/646,532B       TIME: 13:56:43

Input Set : A:\Sequence Listing.txt
Output Set: N:\CRF4\02132003\I646532B.raw

**Please Note:**
Use of n and/or Xaa have been detected in the Sequence Listing. Please review the
Sequence Listing to ensure that a corresponding explanation is presented in the <220>
to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:2; Xaa Pos. 3, 4, 5, 18
Seq#:3; Xaa Pos. 9
Seq#:4; Xaa Pos. 4, 7
Seq#:5; Xaa Pos. 7, 8, 10, 11, 12
Seq#:6; Xaa Pos. 2, 6
Seq#:7; Xaa Pos. 4, 9